Darrin WEBER
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EDUCATION

MAY 2017	Ph.D. in MATHEMATICS **The University of Tennessee**, Knoxville, TN Dissertation: "Cut-Sets on Various Graphs of Commutative Rings" Advisor: Dr. David F. ANDERSON
MAY 2017	M.S. in STATISTICS **The University of Tennessee**, Knoxville, TN
MAY 2015	M.S. in MATHEMATICS **The University of Tennessee**, Knoxville, TN
MAY 2011	B.S. in MATHEMATICS **Millikin University**, Decatur, IL

EMPLOYMENT

MAY 2011-PRESENT	Graduate Teaching Assistant/Associate at THE UNIVERSITY OF TENNESSEE

TEACHING EXPERIENCE

INSTRUCTOR OF RECORD (University of Tennessee)	Calculus III - Fall 2016, Spring 2016, Fall 2015 Matrix Algebra - Summer 2014 Precalculus - Fall 2012 Basic Calculus - Fall 2013, Summer 2012 Finite Mathematics - Fall 2014, Spring 2014, Spring 2013
RECITATION INSTRUCTOR (University of Tennessee)	Calculus III - Spring 2015 Calculus II - Spring 2013 Basic Calculus - Spring 2012 College Algebra - Spring 2015, Fall 2011

TEACHING ASSISTANT
(Millikin University)
	Abstract Algebra - Fall 2010
	  Assisted with and graded homework. Held review sessions. Taught four lessons including introductory chapter on rings.
	Linear Algebra - Spring 2010
	  Filmed lectures and made them available for review. Assisted with homework. Taught one lesson.
	Calculus I - Spring 2009
	  Graded homework. Held office hours. Conducted review sessions. Taught two lessons.

PRESENTATIONS

JANUARY 2017	THE CLASSIFICATION OF ZERO-DIVISOR GRAPHS OF COMMUTATIVE RINGS WITHOUT IDENTITY, Joint Mathematics Meetings, Atlanta, GA
JANUARY 2017	USING VIDEOS TO AUGMENT IN-CLASS INSTRUCTION, Joint Mathematics Meetings, Atlanta, GA
NOVEMBER 2016	INTRODUCTION TO CUT-SETS ON ZERO-DIVISOR GRAPHS, Invited Talk, Maryville College, Maryville, TN

Presentations (continued)

February 2015	Introduction to Zero-Divisor Graphs and Cut-Sets on These Graphs, The University of Tennessee's Algebra Seminar, Knoxville, TN
April 2011	Zero-Divisor Graphs of Finite Commutative Rings, Millikin University's James Millikin Scholar Senior Recognition Day, Decatur, IL
March 2011	A Preliminary Look at Compressed Zero-Divisor Graphs and Zero-Divisor Lattices, Rose-Hulman Undergraduate Mathematics Conference, Terre Haute, IN
January 2011	Compressed Zero-Divisor Graphs and Zero-Divisor Lattices of Finite Commutative Rings, Joint Mathematics Meetings Poster Competition, New Orleans, LA
November 2010	Zero-Divisor Lattices on Commutative Rings, Millikin Undergraduate Mathematics Research Conference, Decatur, IL
April 2010	Cut-Vertices and Cut-Sets on Zero-Divisor Graphs, Special Session in Commutative Rings, AMS Sectional Meeting, St. Paul, MN
March 2010	Cut-Sets in Zero-Divisor Graphs of Finite Commutative Rings, Rose-Hulman Undergraduate Mathematics Conference, Terre Haute, IN
January 2010	Cut-Sets and Cut-Vertices on Zero-Divisor Graphs, Joint Mathematics Meetings Poster Competition, San Francisco, CA
October 2009	"Cut"ting Zero-Divisor Graphs, Millikin Undergraduate Mathematics Research Conference, Decatur, IL
August 2009	Cut-Sets and Cut-Vertices on Zero-Divisor Graphs, Indiana Undergraduate Research Conference (with B. Coté, C. Ewing, M. Huhn, and C. M. Plaut), Bloomington, IN
April 2009	Winning is Everything!: Developing an Optimal Strategy of the Ancient African Game Mancala, Millikin University Poster Competition, Decatur, IL
March 2009	Can You Count?: A Look at Expected Scenarios by Way of a Quantitative Computer Simulation of the Ancient African Game Mancala, Rose-Hulman Undergraduate Mathematics Conference (with Robert Arn), Terre Haute, IN

Publications

- Zero-Divisor Graphs and Lattices of Finite Commutative Rings, *Rose-Hulman Undergraduate Math Journal*, **12** no. 1 (2011), 58-70.

- Cut-Sets in Zero-Divisor Graphs of Finite Commutative Rings, *Communications in Algebra*, 39:8 (2011), 2849-2861 (with B. Coté, C. Ewing, M. Huhn, and C. M. Plaut)

- Cut-Sets and Cut-Vertices in the Zero-Divisor Graph of $\prod_{i=1}^{m} \mathbb{Z}_{n_i}$, *Rose-Hulman Undergraduate Mathematics Journal*, **11** no. 1 (2010), 1-8. (with B. Coté, C. Ewing, M. Huhn, and C. M. Plaut)

Honors and Awards

2013-2016	Science Alliance Fellowship
April 2015	Spike Tickle STEM Fellowship Award
April 2013	Dorothea & Edgar D. Eaves Teaching Award
2011-2012	Science Alliance Fellowship
July 2011	James Millikin Scholar Project of the Year
April 2011	Mathematics and Computer Science Award
	for outstanding junior or senior mathematics major at Millikin University
January 2011	$100 Prize for poster at Joint Mathematics Meetings Undergraduate Poster Session, New Orleans, LA
May 2010	Student Undergraduate Research Fund (SURF) Grant
	Awarded $3000 Grant to conduct undergraduate research at Millikin University

HONORS AND AWARDS (CONTINUED)

APRIL 2010   Linda Weatherbee Mathematics Award
for outstanding junior mathematics major at Millikin University

PROFESSIONAL ACTIVITIES

REFEREE	Rose-Hulman Undergraduate Mathematics Journal
PANEL MEMBER	What Every Student Should Know About JMM (January 2017, JMM Atlanta, GA)
PRESIDENT	Mathematics Graduate Student Council (2016-2017)
SELECTED REPRESENTATIVE	Dean's Graduate Student Advisory Committee (2016-2017)
CO-FOUNDING MEMBER	Mathematics Graduate Student Council (2015-2016)
ORIENTATION COMMITTEE	Orientation for First Year Math Graduate Students (August 2015 & August 2016)
COMMITTEE MEMBER	Math 123: Finite Mathematics Textbook Selection Committee (2014-2015)
STUDENT MENTOR	Mentored First Year Math Graduate students with their teaching and academic program (2012-2013 and 2015-2016)
REU PARTICIPANT	Wabash Summer Institute of Mathematics, a National Science Foundation funded REU (June-July 2009)

PROGRAMMING SKILLS

FAMILIAR	Java, MATLAB, R, SAS
PROFICIENT	LaTeX, Mathematica